

1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

85. A method of promoting angiogenesis *in vivo* comprising:
contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding at least one angiogenic factor, and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
86. The method according to claim 85, wherein said angiogenic factor is chosen from VEGF, FGF, angiopoietin 1, angiopoietin 2, and endothelin.
87. The method according to claim 86, wherein said angiogenic factor is VEGF.
88. The method according to claim 86, wherein said angiogenic factor is FGF.
89. The method according to claim 88, wherein said FGF is FGF 1.
90. The method according to claim 85, wherein said at least one striated muscle cell is a heart muscle cell.
91. The method according to claim 85, wherein said at least one striated muscle cell is a skeletal muscle cell.
92. The method according to claim 85, wherein said at least one nucleic acid is injected into a segment of striated muscle.
93. The method according to claim 92, wherein said segment of striated muscle is a segment of heart muscle.
94. The method according to claim 92, wherein said segment of striated muscle is a segment of skeletal muscle.
95. The method according to claim 85, wherein said at least one nucleic acid is injected by a systemic route.

1. The first step is to identify the problem. This involves understanding the current situation and the goals that need to be achieved.

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cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².

105. The method according to claim 104, wherein said blood-clotting factor is chosen from factor VII, factor VIII, and factor IX.
106. The method according to claim 105, wherein said blood-clotting factor is factor IX.
107. A method of stimulating nerve growth *in vivo* comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding at least one neurotrophic factor, and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
108. The method according to claim 107, wherein said neurotrophic factor is chosen from NGF, BDNF, NT3, NT4/5, and NT6.
109. A method of promoting formation of red blood cells *in vivo* comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding at least one hematopoietic factor, and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
110. The method according to claim 109, where said at least one hematopoietic factor is chosen from erythropoietin, GM-CSF, M-CSF, and LIF.
111. A method of producing expression of human factor IX *in vivo* in striated muscle comprising: contacting *in vivo* at least one striated muscle cell with at least one

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nucleic acid encoding said human factor IX; and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².

112. A method of producing expression of secreted alkaline phosphatase (SeAP) *in vivo* in striated muscle comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding said SeAP; and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
113. A method of producing expression of erythropoietin (EPO) *in vivo* in striated muscle comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding said EPO; and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
114. A method of producing expression of vascular endothelium growth factor (VEGF) *in vivo* in striated muscle comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding said VEGF; and electrically stimulating said at least one striated muscle cell with at least one unipolar pulse of an electric field intensity ranging from 1 to 800 V/cm².
115. A method of producing expression of fibroblast growth factor 1 (FGF1) *in vivo* in striated muscle comprising: contacting *in vivo* at least one striated muscle cell with at least one nucleic acid encoding said FGF1; and electrically stimulating said at

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